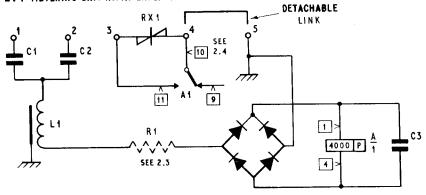
S.T.D. METERING AT P.M.B.X'S MISCELLANEOUS APPARATUS

1. S.T.D. METERING SCHEMES AVAILABLE

SCHEME	FACILITIES PROVIDED						
A	Totals metering on Exchange Lines						
В	Trip metering, i.e. Trip Meter and Metering Unit permanently associated with an Exchange Line						
С	Switched trip metering, the Trip Meter to be switched into use as under scheme C1 (a) or (b) or scheme C2 ?						
C1	(a) Metering Unit, with Trip Meter permanently associated can be switched to line required (b) Subscribers private meter (Meter No.19) can be switched to line required						
C2	Trip Meter which can be switched to one of a group of Metering Units permanently connected to Exchange Lines						
D1	Combination of schemes 'A' & 'B' giving total and trip metering						
D2	Combination of schemes 'A' a'C2' giving total and switched trip metering						
Ε	Metering at switchboard extension						
F	Cord Circuit Trip Metering						

2. METERING UNIT No.1A

2.1 METERING UNIT No.1A EXPLANATORY DIAGRAM



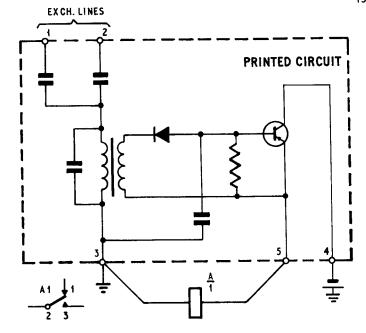
- 2.2 METERING UNIT No.1A is obsolete and is superseded by METERING UNITS No.3...
- 2.3 RESISTOR R1 is set up during manufacture
- 2.4 Plug in RELAY, T.M.C. TYPE, 6U1

Post Office Telecomms. Headquarters	UE				
TD 2.4.1 Paper W	ISSI	c	Section 4 added. Minor Amendments	 мон	28 · 10 · 70
CIRCULATION GENERAL		В	New Format E.C.STEVENS TD 2-4-1	P .F.C.	19·8·68 21·12·59

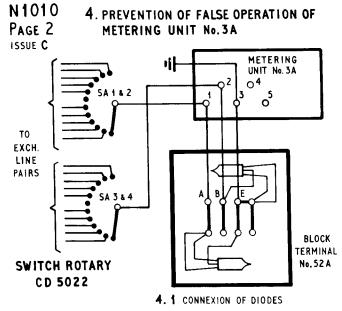
3. METERING UNIT No. 3...

N 1010 Page 1-2

3. 1 METERING UNIT No. 3 ... EXPLANATORY DIAGRAM



3. 2 METERING UNIT No. 3 ... supersedes METERING UNIT No.1A



4. 2 WHEN SCHEME 'C1a' ALONE IS REQUIRED ONLY TWO DIODES CV 8679
SHOULD BE USED. THEY SHOULD BE WIRED ACROSS THE METERING
UNIT No. 3A AS SHOWN USING A BLOCK TERMINAL No.52A (NOTE 4.8.2)
THE TWO DIODES TO BE MOUNTED AND WIRED INSIDE TERMINAL BLOCK
AND POSITIONED ONE EACH SIDE OF THE TERMINALS
THE TERMINAL BLOCK TO BE SCREWED TO THE WALL BESIDE THE METERING
UNIT IF POSSIBLE OTHERWISE IN ANY CONVENIENT POSITION

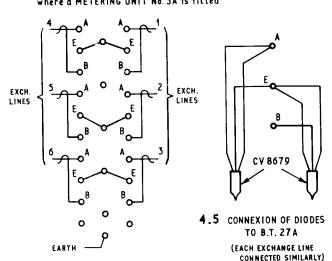
SA 1 & 3 SA 2 & 4 SA 2 SA 4 SA 3 SIDE VIEW MOUNTING PLATE SA 3 SA 4 SA 2 SA 4 SA 2 SA 4 SA 2 SA 4 SA 3 SIDE VIEW

5. ROTARY SWITCH

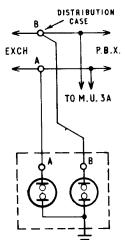
4.7 STORES REQUIRED

ITEM	QUANTITY
VALVE ELECTRONIC CV 8679 BLOCK TERMINAL No.27A	2 PER EXCHANGE LINE 1 PER SIX EXCHANGE LINES
SLEEVING No.7B CABLE PVC No.3A	AS REQUIRED AS REQUIRED

4.3 The following modifications for prevention to be carried out at other installations where a METERING UNIT No. 3A is fitted



4.4 CONNEXION OF EXCHANGE LINES



4.6 SCHEMATIC DIAGRAM

B.T. 27A

4.8 WIRING AND INSTALLATION

5,2 REAR VIEWS

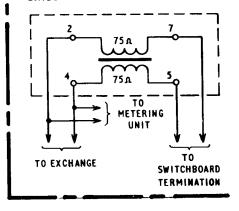
- 4.8.1 THE DIODES CV 8679 TO BE SOLDERED TO THE TAGS IN THE BLOCK TERMINAL No.27A AS INDICATED IN 4.5 AND POSITIONED NEATLY BETWEEN THE TAG BLOCK AND THE BASE OF THE BLOCK TERMINAL No.27A. TO FACILITATE THIS OPERATION THE TAG BLOCK SHOULD BE REMOVED FROM THE BASE
- 4.8.2 THE LEAD OUT WIRES FROM DIODES CV8679 SHOULD BE INSULATED WITH SLEEVING No.7B: NO BENDS SHOULD BE MADE IN THE LEAD OUT WIRES WITHIN 1/8 INCH OF THE GLASS SEAL
- 4.8.3 THE SCREW TERMINALS OF THE BLOCK TERMINAL No.27A SHOULD BE CABLED TO THE EXCHANGE LINES AS INDICATED IN 4.5 CONNEXION TO THE EXCHANGE LINES SHOULD BE MADE AT THE DISTRIBUTION FRAME OR CONNEXION BOX WHERE THE INCOMING EXCHANGE LINES ARE TERMINATED
- 4.8.4 THE CENTRE (EARTH) STRIP OF THE BLOCK TERMINAL
 No. 27A SHOULD BE CONNECTED TO EARTH AND STRAPS
 INSERTED TO THE EARTH TERMINALS AS INDICATED IN 4.4

5.4 TYPICAL CONNEXIONS

CONNEXION	TAG	BANK	SWITCH INDICATION ON LABEL 359A
EXCH.LINE 1	9	SA 2 & SA 4	. 1
2	10	SA2 & SA4	2
3	11	SA 2 & SA 4	3
4	1	SA 1 & SA 3	4
EXCH. LINE 5	2	SA1 & SA3	5
SPARE	3	SA1 & SA3	•
EXCH. LINE 6	4	SA1 & SA3	6
7	5	SA 1 & SA 3	7
8	6	SA I & SA 3	8
9	6	SAZ & SA4	9
EXCH. LINE 10	7	SA 2 SA 4	10
SPARE	8	SA2 & SA4	•
M.U.NoTERM. 1	12	SA 1 & SA 2	SEE 5.4.1
M.U.NoTERM. 2	12	SA 3 & SA 4	

5. 4.1 TAG No.12. SA1 4 SA 2 are inherently strapped
TAG No.12. SA34 SA4 are inherently strapped

6. USE OF INDUCTOR COIL No. 172 A AS A LONGITUDINAL CHOKE IN EXCHANGE LINES



4.8.5 MARKING

THE INSIDE LID OF THE BLOCK TERMINAL No.27A SHOULD BE SIGNWRITTEN. SHOWING THE EXCHANGE LINE NUMBERS TO WHICH THE TERMINAL BLOCK IS CONNECTED.